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Applicant: Bayne, et al. § Group Art Unit: 2833
Serial No: 09/754,879 § Examiner: TC 2800 MAIL ROOM
Filing Date: January 5, 2001 § Attorney Docket: D5407-111
Title: Method of Providing Hydraulic/ § 304-22404-US
Fiber Conduits Adjacent Bottom §
Hole Assemblies for Multi-step §
Completions §

PRELIMINARY AMENDMENT

Please amend the claims listed below as indicated. A marked up copy of the amendments to these claims appears at the end of the Amendment.

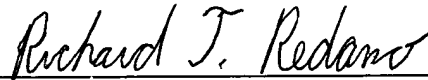
1. A method of completion of a well, comprising:
attaching at least one auxiliary conduit or cable to a downhole assembly;
providing a connection to said conduit or cable;
running in said downhole assembly with said cable or conduit to a desired location in the well;
tagging into said downhole assembly and said connection of said conduit or cable downhole on at least one subsequent trip into the well with a tubular having at least one auxiliary cable or conduit extending along its length from the surface;
communicating through said auxiliary cable or conduit between the surface and the downhole assembly on a real time basis.
2. The method of claim 1, further comprising:
tagging into said downhole assembly on a subsequent trip with production tubing having at least one auxiliary cable or conduit which is also connectable to said connection of said cable or conduit on the downhole assembly;
communicating during production through auxiliary cable or conduit between the surface and the downhole assembly on a real time basis.

3. The method of claim 1, further comprising:
plugging said connection during said running in of the downhole assembly and auxiliary cable or conduit;
unplugging said connection with another trip into the well.
5. The method of claim 4, further comprising:
selectively locking any connection resulting from said tagging in.
7. The method of claim 6, further comprising:
using a gravel pack screen and packer for said downhole assembly extending said cable or conduit through said packer to said connection.
10. The method of claim 9, further comprising:
using said fiber optic to measure a downhole condition on or about said downhole assembly.
15. The method of claim 1, further comprising:
running said auxiliary conduit or cable in a U-shaped path so as to provide a pair of connections;
extending said U-shaped path to the surface as a result of said tagging, an auxiliary conductor or cable attached to a tubular run in from the surface, into a respective connection on a subsequent trip into the wellbore.

18. The method of claim 17, further comprising:
securely mounting said fiber optic cable to said through to allow real time sensing of a
downhole condition on or about the downhole assembly.

Respectfully submitted,

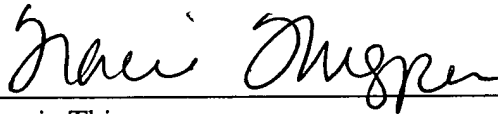
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CERTIFICATE OF MAILING 37 CFR 1.8(a)

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